

## PATENT ABSTRACTS OF JAPAN

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## (54) IMMERSION MEMBRANE APPARATUS

## (57)Abstract:

PURPOSE: To obtain equal sludge peeling effect using an air amt. less than that used when air bubbles are applied to the entire rear surface of a membrane unit and to reduce the deviation of air diffusion.

CONSTITUTION: In an immersion membrane apparatus wherein a membrane unit 11 is immersed in the liquid of a treatment tank 10 and an air diffusion pipe is fitted under the membrane unit and filtered treated water transmitted through a membrane is obtained, the air diffusion pipe 14 is made movable along the rear surface of the membrane unit.

